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# **PCT**

# INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

	21689-PCT	FOR FURTHER ACTION		ee Form PCT/ISA/220 where applicable, item 5 below.
Inter	mational application No.	International filing date (day/mon	th/year)	(Earliest) Priority Date (day/month/year)
PC	CT/KR2004/001651	05 JULY 2004 (05.07.2004	4)	05 JULY 2003 (05.07.2003)
App	plicant			
РÇ	OSTECH FOUNDATION et al			
	International search report has been preprictle 18. A copy is being transmitted to t		g Authority a	nd is transmitted to the applicant according
This	international search report consists of a t	total of3 sheets.  by of each prior art document cited in	n this report.	
1.	Basis of the report  a. With regard to the language, the int language in which it was filed, unless			f the international application in the
	The international search this Authority (Rule 23.		inslation of th	e international application furnished to
	b. With regard to any nucleotide	and/or amino acid sequence discl	osed in the in	ternational application, see Box No. I.
2.	Certain claims were found ur	nsearchable (See Box No. II)		
3.	Unity of invention is lacking (	(See Box No. III)		
4.	With regard to the title,  X the text is approved as submitted the text has been established by	ed by the applicant.  this Authority to read as follows:		
5.	With regard to the abstract,			
	X the text is approved as submitted	ed by the applicant.		
	the text has been established, ac	ccording to Rule 38.2(b), by this Au	thority as it	appears in Box No. IV. The applicant
	may, within one month from th	e date of mailing of this internation	al search repo	ort, submit comments to this Authority.
6.	With regard to the drawings,			
	a. the figure of the <b>drawings</b> to be pub		o. <u> </u>	
	as suggested by the application of the application			
	because the applicant faile	-		
	b. none of the figure is to be publi	characterizes the invention.		
	o none of the figure is to be publi	oned with the aboutact.		

### CLASSIFICATION OF SUBJECT MATTER

### IPC7 C07D 487/22

According to International Patent Classification (IPC) or to both national classification and IPC

### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) ICP7 C07D 487/22, C08G 12/28, C07B 63/00, C08L 29/04, C08L 75/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents and applications for inventions since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) STN, PUBMED, DELPHION, KISTI

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α	Hee-Joon Kim, et al., "Inclusion of methylviologen in cucurbit[7]uril", PNAS, Vol. 99, No. 8, (2002), page 5007-5011 see the whole document	1-3
Α	Eunsung Lee, et al., "A two-dimensional polyrotaxane with large cavities and channels: A novel apprach to metal-organic open-frameworks by using supramolecular building blocks", Angew. Chem. Int. Ed., Vol. 40, No. 2, (2001), page 399-4402 see the whole document	1-3
Α	Yong-beom Lim, et al., "Self-assembled ternary complex of cationic dendrimer, cucurbituril, and DNA: noncovalent strategy in developing a gene delivery carrier", Bioconjugate chem. Vol. 13, No. 6, (2002), page 1181-1185 see the whole document	1-9
P, A	Sang Yong Jon, et al., "Facile synthesis of cucurbit[n]uril derivatives via direct functionalization: expanding utilization of cucurbit[n]uril", J. Am. Chem. Soc., Vol. 125, No. 34, (2003), page 10186-10187 see the whole document	1-8

A Further documents are fisted in the continuation of Dox	X	Þ	X	Further documents are	isted in the continuation of Box	C.
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See patent family annex.

- Special categories of cited documents:
- 'A" document defining the general state of the art which is not considered to be of particular relevance
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- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
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- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of mailing of the international search report

Date of the actual completion of the international search 20 OCTOBER 2004 (20.10.2004)

20 OCTOBER 2004 (20.10.2004)

Authorized officer

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# INTERNATIONAL SEARCH REPORT

nternational application No.
PCT/KR2004/001651

C (Continua Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
?, A	Haizhen Zhang, et al., "Cucurbit[6]uril pseudorotaxanes: distinctice gas-phase dissocition and reactivity", J. Am. Chem. Soc. Vol. 125, No. 31, (2003), page 9284-9285 see the whole document	
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